

TABLE 3. DIOXIN AND FURAN CONCENTRATIONS IN MAINE FISH 1997-2001

WATER/STATION	SPECIES	TIS	19 97		19 98		19 99		20 00		20 01	
			TCDD	DTE								
ANDROSCOGGIN LAKE												
Wayne	bn trout	f										
	bass	f			0.2	0.4-1.0	0.1	0.2-0.8	<0.1	0.02-1.3	<0.1	0.1-0.8
	w perch				0.5	0.6-1.2	0.2	0.3-0.9	0.2	0.2-0.8	0.1	0.2-0.7
	sucker	w			0.4	0.9-1.1			<0.1	0.1-1.1	<0.1	0.1-0.7
ANDROSCOGGIN R												
Gilead	rb trout		0.5	1.6-2.1	0.4	1.5-2.0	0.7	1.7-2.3	0.4	0.9-1.4	0.8	2.1-2.5
	bn trout						0.4	1.0-1.5	0.1	0.4-1.0	0.8	2.5-2.7
	bass						0.4	1.4-1.5	0.2	0.8-1.2	0.3	1.0-1.4
	sucker	w	0.5	3.4-3.8	0.9	3.1-3.5	0.8	2.9-3.3	0.3	1.8-2.2	0.1	0.7-1.1
Rumford	bass	f	0.5	1.2-1.8	0.4	1.1-1.5	0.6	1.5-1.9	0.2	0.6-1.1	0.2	0.5-1.0
	sucker	w	0.5	3.6-4.9	0.4	3.0-3.4	0.4	2.8-3.2	0.3	1.9-2.3	0.3	2.0-2.4
Riley	bass		0.3	1.1-2.2	0.2	0.8-1.0	<0.1	0.6-0.9	<0.1	0.2-0.6	0.2	0.8-1.0
	sucker	w	0.5	3.8-4.8	0.3	2.5-2.8	0.3	2.6-2.8			0.3	1.9-2.1
Livermore Falls	bass	f	0.3	1.2-1.4	0.2	1.1-1.2	0.2	0.9-1.2	0.2	0.6-1.0	0.3	0.9-1.4
	sucker	w	0.5	2.8-2.9	0.5	2.8-2.9	0.4	2.4			0.3	1.6-1.7
Auburn-GIP	bass	f	0.4	2.0-2.2	0.4	1.6-1.8	0.4	1.6-1.8	0.1	0.4-0.9	0.2	0.4-0.9
	sucker	w									0.2	0.6-0.9
Lisbon Falls	bass	f	0.6	1.3-1.8	0.5	1.1-1.5	0.7	1.7-2.1	0.2	0.5-1.0	0.4	1.1-1.5
KENNEBEC R												
Madison	bn trout	f									<0.1	<0.1-0.7
	bass	f	<0.2	0.03-1.6								
	sucker	w	<0.1	0.2-0.8								
Norridgewock	bass				<0.1	0.03-0.6	<0.1	0.03-0.7	<0.1	0.05-0.7	<0.1	0.1-0.8
	bn trout								<0.1	0.04-0.7		
	sucker				<0.1	0.2-0.7	<0.1	0.03-0.7	<0.1	0.05-0.7	<0.1	<0.1-0.7
Fairfield	trout	f	1.2	1.3-1.9							1.0	1.2-1.8
	bass	f	0.6	0.6-1.2	0.3	0.4-1.0	0.4	0.4-1.0	0.4	0.5-1.1	0.3	0.4-1.0
	sucker	w	1.2	1.7-2.1	0.9	1.4-1.8	0.3	0.4-1.0	0.4	0.5-1.0	0.3	0.5-1.1
Sidney	bass	f	0.2	0.3-0.9					0.2	0.2-0.8	0.2	0.4-0.9
	bn trout								0.3	0.3-0.8	0.4	0.5-1.1
Augusta	bn trout	f	0.6	1.0-1.3								
	bass	f	0.5	0.8-1.6	0.3	0.6-0.9	0.3	0.6-0.9				

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			TCDD	DTE	TCDD	DTE	TCDD	DTE	TCDD	DTE	TCDD	DTE
PENOBCOT R												
E Br Grindstone	bass	f	<0.1	0.04-0.7	<0.1	0.04-0.7						
	sucker	w	<0.1	0.07-0.7	<0.1	0.07-0.7						
E Millinocket	bass	f	<0.1	0.04-0.7	<0.1	0.04-0.7						
	sucker	w	<0.1	0.09-0.7	<0.1	0.09-0.7						
Woodville	bass		<0.1	0.07-0.7	<0.1	0.06-0.7	<0.1	0.08-0.7	<0.1	0.1-0.7	<0.1	0.1-0.7
	sucker		<0.1	0.09-0.7	<0.1	0.08-0.7	<0.1	0.1-0.7	<0.1	0.1-0.7	<0.1	0.1-0.7
Winn	bass						<0.1	0.2-0.8	<0.1	0.1-0.7	<0.1	<0.1-0.7
	sucker						<0.1	0.2-0.9	<0.1	0.1-0.8	<0.1	<0.1-0.7
S Lincoln	bass	f	0.2	0.4-1.0	0.2	0.4-0.9	0.4	0.6-1.0	0.2	0.3-0.9	0.4	0.5-1.1
	sucker	w	1.2	1.6-2.2	1.0	1.4-2.0	1.0	1.4-1.6	0.7	1.0-1.5	0.3	0.5-1.1
Milford	bass	f	0.2	0.4-0.9	0.2	0.2-0.8	0.1	0.4-0.7	0.2	0.3-0.9	0.3	0.5-1.1
	sucker	w	1.0	1.6-2.0	1.0	1.5-2.0	1.0	1.5-1.6	0.8	1.1-1.6	0.4	0.5-1.0
Veazie	bass	f	0.3	0.4-0.9	0.2	0.3-0.9	0.3	0.4-0.9	0.4	0.5-1.1	0.2	0.3-0.8
	sucker	w	1.1	1.3-1.9	1.0	1.2-1.8	1.1	1.3-1.7	0.9	1.2-1.7	1.3	1.7-2.2
Bangor	eel	f							1.6	2.0-2.5	1.1	1.5-2.0
PRESUMPSCOT R												
Windham	bass	f	<0.1	0.5-0.7	<0.1	0.4-0.8			<0.1	0.1-0.7	<0.1	0.1-0.8
	sucker	w	0.2	1.2-1.4	0.2	1.2-1.4					0.2	1.4-1.5
Westbrook	bass	f	0.1	0.4-0.9	<0.1	0.3-0.8			<0.1	0.2-0.8	<0.1	<0.1-0.8
	sucker	w									0.2	1.3-1.7
ST CROIX R												
Woodland	bass	f	<0.1	0.02-0.7	<0.1	0.06-0.7	<0.1	0.06-0.7				
	sucker		<0.1	0.09-0.7	<0.1	0.08-0.7	<0.1	0.07-0.7				
Baring	bass		<0.1	0.03-0.7	<0.1	0.05-0.7	<0.1	0.05-0.7				
	sucker	w	<0.1	0.07-0.8	<0.1	0.08-0.8	<0.1	0.08-0.7				
SALMON FALLS R												
S Berwick	bass	f	0.2	0.3-0.6			0.1	0.3-0.6	0.1	0.2-0.8	0.2	0.4-0.8
	lm bass						0.2	0.5-0.8				
	pickerel	f	0.6	0.8-1.0								

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SEBASTICOOK R												
E Br Corinna	lm bass		<0.1	0.1-0.7								
Newport	bass	f	0.2	1.2-1.4							0.1 0.6-0.9	
Sebastcook L	bass	f							0.1 0.5-0.8			
	w perch	f						0.2 0.8-0.9				
Detroit	bass	f								0.1 0.2-0.8		
W Br Harmony	bass		<0.1	0.06-0.7								
W Br Palmyra	bass	f	0.3	0.6-0.9	0.2	0.5-0.8	0.2	0.6-0.8	0.1 0.4-2.7		0.2 0.5-0.8	

f=fillet

m=meat

t=tomalley

w=whole

DTE= dioxin toxic equivalents using WHO 98 toxic equivalency factors (TEF).

Range shown at nd=0 and nd=mdl, ie DTEo-DTED